



RANCHO MURIETA COMMUNITY SERVICES DISTRICT

15160 Jackson Road, Rancho Murieta, CA 95683

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IMPROVEMENTS COMMITTEE




(Directors Morrison Graf and Les Clark)

Regular Meeting

March 6, 2018 at 8:30 a.m.

All persons present at District meetings will place their cellular devices in silent and/or vibrate mode (no ringing of any kind). During meetings, these devices will be used only for emergency purposes and, if used, the party called/calling will exit the meeting room for conversation. Other electronic and internet enabled devices are to be used in the "silent" mode. Under no circumstances will recording devices or problems associated with them be permitted to interrupt or delay District meetings.

AGENDA

1. **Call to Order**
2. **Comments from the Public**
3. **Monthly Updates**
 -  Development
 -  Emergency Well Project
 -  Wet Drainage Basins
4. **Discuss Proceeding with CIP 17-1-04, Step 1 - Stream Alteration Permit**
5. **Directors & Staff Comments/Suggestions [no action]**
6. **Adjournment**

*In accordance with California Government Code Section 54957.5, any writing or document that is a public record, relates to an open session agenda item and is distributed less than 72 hours prior to a regular meeting will be made available for public inspection in the District offices during normal business hours. If, however, the document is not distributed until the regular meeting to which it relates, then the document or writing will be made available to the public at the location of the meeting. **Note:** This agenda is posted pursuant to the provisions of the Government Code commencing at Section 54950. The date of this posting is March 1, 2018. Posting locations are: 1) District Office; 2) Rancho Murieta Post Office; 3) Rancho Murieta Association; 4) Murieta Village Association.*

MEMORANDUM

Date: March 1, 2018
To: Improvements Committee
From: Paul Siebensohn, Director of Field Operations
Subject: Monthly Updates

PROJECTS

Development

The Retreats East and North

No update.

The Retreats East

No update.

The Retreats West

Home building continues with staff monitoring BMP compliance.

Murieta Gardens

The project continues to be monitored for stormwater Best Management Practice (BMP) for stormwater compliance.

The Murieta Gardens - Murieta Marketplace

The project reported that they will be off this project for a while.

The Murieta Gardens – Inn

I am still waiting to receive the requested as-builts for Murieta Inn's irrigation system in order to finalize a recycled water infrastructure inspection to confirm the installations conform to District Recycled water code. I have requested this information again from the project's engineer who conveyed he is still waiting for the project's manager to supply him "red lined" final plans before he can provide them.

The Murieta Gardens – Highway 16 Off-Site Improvements

This project is proceeding with new storm pipe installation from the drainage ditch that runs from Laguna Joaquin, south of Highway 16, easterly. Proceeding with a drainage system improvement in this area in winter has proved difficult as they have encountered unmarked obstacles, groundwater, rain, and regular drainage intrusion at the worksite.

The Murieta Gardens II – Subdivison

The District and its engineer, Coastland, have supplied all information as requested by the project and are still waiting for the projects engineer to supply a requested sewer impact study.

Rancho Murieta North – Development Project

No update.

FAA Business Park

Coastland provided some minor plan comments back to the project as it relates to District access to the stormwater and sewer pumping station located adjacent to the project. This project remains on standby to begin around March-April of this year, weather permitting.

The Greens Neighborhood Park

Rancho Murieta Association (RMA) still needs to repair the keystone block wall along the discharge side of the culvert at the park entrance. No news as to when phase II of the project is set to proceed.

EMERGENCY WELL PROJECT

Now that the project's major funding reimbursement is back, the District needs to move forward with negotiation and/or land purchase for the well site. The first step on the District's part is to conduct an appraisal to determine a fair value price for the well site and easements to run temporary emergency lines. Once that is resolved, we can provide a Notice to Proceed to the well driller.

Having a backup water supply is important to be able to supply necessary water for fire suppression and potable use should there be a catastrophic failure or contamination in our system.

WET DRAINAGE BASINS

We met again on February 7, 2018 with Director Clark joining us. A draft outreach article was circulated and discussed; allowing the drainage system to remain in a natural state, constructing bio-swales, use of a sun blocking dye at Laguna Joaquin were also discussed. The next meeting is scheduled for March 7, 2018 .

DAM INUNDATION MAPPING

The District, along with other regulated dam owners, received a notice from the California Department of Safety of Dams (DSOD) stating: *Inundation maps shall prepared for dams and critical appurtenant structures regulated by the state, except dams that have classified as low hazard.* I have submitted a request to DSOD to reclassify several of our dams, briefly summarized in the table below.

Name	Location (County)	ID	Height (feet)	Impound Elevation (feet)	Current Hazard Classification	Recommended Classification
Calero	Sacramento	1450-3	52'	280.0'	High	Significant
Chesbro	Sacramento	1450-2	76'	262.86'	Significant	Significant
Clementia	Sacramento	1450-4	27'	187.00'	High	Low
Granlees	Sacramento	451	12'	-	Low	Low
Michigan Bar No. 1	Sacramento	1450-5	15'	163.0'	High	Low
Michigan Bar No. 2	Sacramento	1450-6	34'	166.0'	Low	Low

Subsequent to my submittal, DSOD staff came out for a site visit to view our dams and discuss my submittal; however, I have yet to receive a formal response. Once we have received a formal response we will contract with a firm to address development of the inundation maps.

The guidelines for the DSOD hazard classifications are summarized in the following table:

Effective July 1, 2017

Criteria for DSOD's Downstream Hazard Potential Classification

Downstream Hazard Potential Classification	Loss of Human Life	Economic, Environmental, and Lifeline Losses
Low*	None expected	Low and principally limited to dam owner's property
Significant*	None expected	Yes
High*	Probable (One or more expected)	Yes (but not necessary for this classification)
Extremely High	Considerable	Yes – major impacts to critical infrastructure or property

*Reference FEMA P-946, July 2013, Federal Guidelines for Inundation Mapping of Flood Risks Associated with Dam Incidents and Failures

MEMORANDUM

Date: March 1, 2018
To: Board of Directors
From: Paul Siebensohn, Director of Field Operations
Subject: Discuss Proceeding with CIP 17-1-04, step 1 - Stream Alteration Permit

RECOMMENDED ACTION

Approve proceeding with CIP 17-1-04, Culvert Crossing at Water Treatment Plant, step 1 - Stream Alteration Permit and payment of \$1,405 for filing fee of the Stream Alteration Permit. Funding to come from Capital Reserves.

BACKGROUND

This Capital Improvement Project is to upgrade a roughly built culvert crossing and access to the back of the Water Treatment Plant. The primary need for this upgrade is to allow continued chemical deliveries that are required for the new membrane treatment process. Currently, the culvert crossing consists of two (2) 30" side by side polyethylene pipes covered by compacted soil and rock that was constructed for the Water Treatment Plant Expansion Project. It functioned sufficiently for the project; however it was not anticipated to be used for on-going chemical deliveries. Although this culvert crossing is typically ephemeral, it is fed by over a 2 square mile water shed that has substantial flows during heavy periods of rainfall which overflow the makeshift roadway that was created there. Also, some chemical delivery vendors have refused to use it due to it being narrow, muddy, and not ideal for sufficient load weight support.

This project will install a 4'x6' prefabricated box culvert and roadway in phases. The first phase is to obtain the Stream Alteration Permit; the second phase is to order the box culvert; third phase is to remove the existing pipes and grade the site; fourth phase is to deliver, set, and backfill the box culvert; and the fifth phase is to develop the roadway. My target timeframe to complete this project is late summer of this year when the area should be relatively dry.

As this is in a seasonal stream, a Stream Alteration Permit from the Department of Fish and Wildlife is required. I have gone through this process before and may take several months for review and approval therefore I would like to start this process now. The fee for filing is \$1,405. All Capital Improvement costs must be approved by the Board.